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Florida, Goodburn Hammock, Dade Co. Collected by J. K. Small and C. A. Mosier, June 1915. No. 6242.

This species is scarcely as large as *S. adnatum*, from which it is very distinct in its serrulate perichaetial leaves and teeth of peristome furrowed. If the furrowing of the teeth is to be considered of generic importance, this species would be neither a *Sematophyllum* nor a *Rhaphidostegium*, for the types of both of these genera, *S. auricomum* Mitt. and *H. demissum* Wils., lack the furrow. This character might well be considered as of only sub-generic importance, however, (the furrow being almost imperceptible in some cases, very broad in others) in which case *Sematophyllum* antedates *Rhaphidostegium* by two years.

NEW YORK BOTANICAL GARDEN.

#### EXPLANATION OF PLATE VI

##### SEMATOPHYLLUM SMALLII WILLIAMS

- |                                      |   |
|--------------------------------------|---|
| Fig. 1. Plant about natural size.    | 7. Part of peristome $\times 300$       |
| 2. Plant $\times 10$ .               | 8. Inner perichaetial leaf $\times 36$  |
| 3. Stem-leaf $\times 36$             | 9. Male flower $\times 50$              |
| 4. Capsule with calyptra $\times 36$ | 10. Lid $\times 36$                     |
| 5. Empty capsule $\times 36$         | 11. Median exothecal cells $\times 200$ |
| 6. Stomata $\times 200$              | 12. Median leaf-cells $\times 200$      |

#### LICHENS OF THE MT. MONADNOCK REGION, N. H.—NO. 12 \*

DUDLEY MERRILL

These lichens were determined by the late Dr. H. E. Hasse.

Genus: PANNARIA

- 209. *Pannaria tryptophylla* (Ach.) Mass. One specimen.
- 210. *Pannaria lanuginosa* (Ach.) Koerb. Two specimens.
- 211. *Pannaria microphylla* (Sw.) Delise. Two specimens.
- 212. *Pannaria brunnea* (Sw.) Nyl. One specimen.
- 213. *Pannaria lepidiota* (Sommerf.) Th. Fr. One specimen.

Genus: CONOTREMA.

- 214. *Conotrema urceolatum* (Ach.) Tuck. One specimen.

Genus: PHLYCTIS.

- 215. *Phlyctis argena* (Ach.) Koerb. Two specimens.

Genus: ENDOCARPON.

- 216. *Endocarpon pallidum* Ach. One specimen.

Genus: MYCOBLASTUS.

- 217. *Mycoblastus sanguinarius* (L.) Th. Fr. One specimen.

Genus: THELOTREMA,

- 218. *Thelotrema subtile* Tuck. Four specimens.

MIDDLESEX SCHOOL, CONCORD, MASSACHUSETTS

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